



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Chorng-Ping Chang  
Chien-Shing Pai  
Thi-Hong-Ha Vuong

RECEIVED  
JUN -7 2001  
TC 2800 MAIL ROOM

CASE 7-20-10

Serial No. 09/414226 Group Art Unit 2811

Filed October 7, 1999

Examiner D. Kang

Title Semiconductor Device With Tapered Gate And Process For Fabricating The Device

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:


**REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT**

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application. An Agreement Regarding Powers of Attorney and General Appointment of Agent and Power of Attorney is submitted herewith.

Firm Name: Agere Systems Inc.  
Address: P.O. Box 614  
Berkeley Heights, NJ 07922-0614 USA  
Telephone: (908) 582-3809 Fax: (908) 582-5911

I represent the assignee of record of the entire interest who is entitled to prosecute this application to the exclusion of the named inventors on the previous assignee pursuant to 37 CFR 3.71. A statement under 37 CFR 3.73(b) is enclosed.

Respectfully,

  
Richard J. Botos, Attorney  
Reg. No. 32016  
908-582-3809

Date: 5/31/01

Agere Systems Inc.  
P.O. Box 614  
Berkeley Heights, New Jersey 07922-0614

---

**AGREEMENT REGARDING  
POWERS OF ATTORNEY**

**by and between**

**LUCENT TECHNOLOGIES INC.**

**and**

**AGERE SYSTEMS INC.**

**Dated as of February 1, 2001**

---

**BEST AVAILABLE COPY**

**AGREEMENT REGARDING POWERS OF ATTORNEY**

This Agreement is effective as of February 1, 2001 between LUCENT TECHNOLOGIES INC., a Delaware corporation ("LUCENT"), having an office at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, for itself and on behalf of its Subsidiaries (each and all herein after "LUCENT") and AGERE SYSTEMS INC., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("AGERE").

**WHEREAS**, the Board of Directors of LUCENT has determined that it is in the best interests of LUCENT and its stockholders to separate LUCENT's existing businesses into two independent businesses; and


**WHEREAS**, as part of the foregoing, LUCENT has assigned certain United States and corresponding foreign patents and patent applications to AGERE, which patents and applications were filed in the name of LUCENT and various of its subsidiaries and predecessors, including AT&T Corp., a New York corporation and various of its subsidiaries; and

**WHEREAS**, in order to effect its rights under such patents and to prosecute such patent applications, including recording such assignments, AGERE representatives need Power of Attorney from LUCENT and predecessors of LUCENT.

**THEREFORE**, LUCENT agrees to provide AGERE employees and employees of AGERE affiliated companies with Powers of Attorney in the form attached to act for LUCENT, any of its wholly-owned subsidiaries, and any of such predecessors with respect to such issued patents and pending patent applications in the names of LUCENT, such subsidiaries or any of such predecessors.

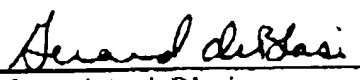
AGERE agrees to use such Powers of Attorney only with respect to those certain patents and patent applications which were assigned to AGERE by LUCENT.

**LUCENT TECHNOLOGIES INC.**

By:   
Daniel P. McCurdy  
President - Intellectual Property Business

Date: 1/30/01

**AGERE SYSTEMS INC.**

By:   
Gerard A. deBlasi  
Vice President - Law

Date: 1/30/01

BEST AVAILABLE COPY

**GENERAL APPOINTMENT OF AGENT****And****POWER OF ATTORNEY**

---

Lucent Technologies Inc., for itself and its subsidiaries, and as successor in interest to patents of AT&T Corp. and its subsidiaries, hereby appoints:

Gerard A. deBlasi  
Fred M. Romano  
Scott W. McLellan  
Richard J. Botos  
Marie MacNichol  
Geraldine Monteleone  
Scott Rittman  
Anthony Grillo  
David Smith  
Robert P. Marley  
John Veschi  
Mark Kurisko  
Les Birnbaum

as agents and attorneys to act on its and on Lucent Technologies Inc.'s behalf before any competent National and International Authorities in connection with any and all patents and patent applications filed by Lucent Technologies Inc., its wholly-owned subsidiaries or its predecessors, or issued or pending in the name of Lucent Technologies Inc., or any of its wholly-owned subsidiaries or predecessors, with the power to further appoint agents, and grant powers of attorney in connection therewith.

Lucent Technologies Inc.

By: 

Daniel P. McCurdy

President - Intellectual Property Business

Date: 1/30/01

BEST AVAILABLE COPY

### **Addendum**

<b>Attorney</b>	<b>Reg. No.</b>
Gerard A. deBlasi	Reg. No. 34149
Fred M. Romano	Reg. No. 32752
Scott W. McLellan	Reg. No. 30776
Richard J. Botos	Reg. No. 32016
Marie MacNichol	Reg. No. 35941
Geraldine Monteleone	Reg. No. 40097
Scott Rittman	Reg. No. 39010
Anthony Grillo	Reg. No. 36535
David Smith	Reg. No. 30592
Robert P. Marley	Reg. No. 32914
John Veschi	Reg. No. 39058
Mark Kurisko	Reg. No. 38944
Les Birnbaum	Reg. No. 25830



**STATEMENT UNDER 37 CFR 3.73(b)**

JUN -7 2001

TC 2800 MAIL ROOM

Applicant/Patent Owner: Agere Systems Guardian Corp.

Application No./Patent No.: 09/414226

Filed/Issue Date: October 7, 1999

Entitled: Semiconductor Device With Tapered Gate and Process For Fabricating The

Agere Systems Guardian Corp., a corporation Device

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventor(s) To: Lucent Technologies Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 010305, Frame 0648, or for which a copy thereof is attached.
2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

- [x] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 31, 2001  
Date

Richard J. Bopp  
Typed or printed name  
Richard J. Bopp  
Signature

Corporate Counsel

Title

BEST AVAILABLE COPY

**EXECUTION COPY**

---

**PATENT ASSIGNMENT**

**by and between**

**LUCENT TECHNOLOGIES INC.**

**and**

**AGERE SYSTEMS GUARDIAN CORP.**

**Dated as of January 30, 2001**

---

**BEST AVAILABLE COPY**

## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

### RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent




Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

BEST AVAILABLE COPY

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

**LUCENT TECHNOLOGIES INC.**

By:   
Daniel P. McCurdy  
President, Intellectual Property Business

**AGERE SYSTEMS GUARDIAN CORP.**

By:   
Fred M. Romano  
President

BEST AVAILABLE COPY

ACKNOWLEDGMENTS

STATE OF NEW JERSEY )

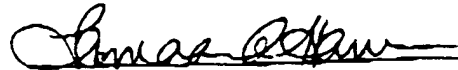
: ss:

COUNTY OF SOMERSET )

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and

b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name **TAMORA ANNE HANNA**  
Notary Public Notary Public of New Jersey  
My Commission Expires **Registered in Hunterdon County**  
[Notarial Seal] My Commission Expires March 25, 2002

STATE OF FLORIDA )

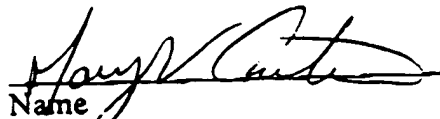
: ss:

COUNTY OF ORANGE )

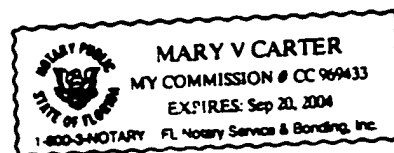
I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp. ; and

b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name  
Notary Public  
My Commission Expires:  
[Notarial Seal]



BEST AVAILABLE COPY

APPENDIX B (continued)  
Transferred Patents.

Case Name	Filing Date	Issue Date	Patent No.	Serial No.
Chakrabarti 31-24-6-7-10	2/29/2000			09/515102
Chakraborty 6-2	11/23/1990			09/197977
Chan 1-5-6-1	8/11/2000		09/637089	
Chandross 53-11-3-3-6-14-7-23	10/1/1990		07/593362	
Chandross 62-8-3-5-1	2/19/1998	4/4/2000	6045977	
Chandross 82-12-6	2/23/1998		09/027596	
Chandross 88-19	7/11/1999			09/352674
Chandross 89-22-33-12	12/7/1999			09/456210
Chandross 91-1-25-23	11/29/1999			09/450525
Chang 5-12	7/31/1997		08/903974	
Chang 6-5-16-40	4/21/1999			09/296001
Chang 7-20-10	10/7/1999			09/414226
Chaplin 1-3-3-4-32	1/15/1999			09/232114
Charles 1-4	11/17/1997		08/968156	
Chaudhry 2-3-5	4/7/1998		09/056555	
Chaudhry 6-7-3-83-9	7/30/1999			09/364603
Chaudhry 7-9-14-118-12	7/30/1999			09/364366
Chaudhry 8-13-26-141-6	6/20/2000			09/597012
Cheah 1-1-54	8/9/2000		09/634401	
Chen 1	5/20/1998		09/082264	
Chen 1	6/19/1998	4/11/2000	6049498	
Chen 10-48	4/18/2000			09/551483
Chen 10-73-6-14-7-19	10/31/1998		08/741010	
Chen 1-1	5/11/2000			09/568687
Chen 1-1-38-1	12/17/1999			09/466285
Chen 1-21	3/18/1997	6/13/2000	6075813	
Chen 1-22-3-5-11	8/7/1998	3/21/2000	6041418	
Chen 13-10-6-1	1/13/1997		08/782355	
Chen 2-1-55-19	6/28/2000			09/605931
Chen 2-16	1/20/1999	7/18/2000	6091657	
Chen 21-87-11-18-10-15-17-25	7/24/1998		09/122558	09/233513
Chen 2-18-74-93	6/20/2000			09/597xxx
Chen 2-24	1/13/1998		09/006570	
Chen 2-9-6	3/26/1999			09/280806
Chen 3	7/13/1999			09/352566
Chen 3-1	11/13/1998			09/190208
Chen 3-1	2/24/1999			09/256573
Chen 3-46-67	1/11/2000			09/481992
Chen 4	11/26/1997		08/980099	
Chen 4	11/13/1998			09/190207
Chen 4	8/4/1999			09/366978
Chen 4-17-157	6/20/2000			09/597076
Chen 4-3-1-2-6-34-14	1/12/1999			60/115714
Chen 5-1-3-18	3/30/2000			09/538688
Chen 5-177-2-20	3/3/1999			09/261346
Chen 5-28	4/3/1998		09/054676	
Chen 6-10-4-4	4/21/1999			09/295546
Chen 6-194-5-24	2/9/2000			09/500855
Chen 6-29	4/3/1998		09/054677	
Chen 7-3-10-5-21	4/28/2000			09/561275
Chen 7-33	8/31/1998		09/143911	
Chen 8-16-6-2-6	8/30/1999			09/385718
Chen 9-17-7-3-7	8/25/1999			09/383050
Cheshire 4-1-1-1-3	3/9/2000			09/521586
Cheswick 6	1/5/1999			09/225409
Chettur 10-11-104-119-13	7/30/1999	8/15/2000	6103586	09/364025
Chettur 12-29-137-7	1/14/2000			09/483785
Chettur 14-146	1/19/2000			60/176882